



## Integration Focused Testing Methodology

### Testing is an Essential Phase of an Integration Implementation. Are you Comfortable with your Project's Testing Plan?

The importance of Testing is well known throughout software development projects, integration-focused initiatives, and the entire Information Technology industry. Organizations understand the criticality of testing their solutions before Production rollout, especially when it relates to their software packages, internally developed objects, and environment configurations. Through our years working on COTS integration projects, Visual Integrator Consulting (VIC) has found that most customers are not implementing adequate testing procedures, beyond basic functional testing. We've discovered that too many customers develop in a "code and fix" environment, where the testing is performed without an Integration Focused Testing Methodology (IFTM).

We've found that most integration customers understand that they don't have a functional IFTM and don't know how to create one. This is not necessarily the customer's fault, since to date, no integration software vendor provides testing tools for Performance, Stress, Unit, Regression, or

- Are your Testing and QA environments a true representation of a Production system?
- Does your project's stress testing address all possible integration scenarios, transactional end-points, and capture realistic and relevant metrics?
- Does your performance testing measure all the data points, applications, hardware, software, and resources during a transaction's lifecycle?
- Does your team perform numerous lengthy, tests on new code builds? How many testing personnel are required when new functionality is tested?
- Are your Production systems exhibiting behavior that didn't surface in your Testing environment?

Acceptance testing. Therefore, integration projects continue to struggle throughout their testing phases, relying on custom testing tools, templates, and plans. Customers are forced to invent their own proprietary IFTM, all the while; they don't have the product expertise to be creating a robust methodology in the first place.

Based on our expertise and experience implementing Testing solutions across multiple integration products (webMethods, bea webLogic) Visual Integrator Consulting has developed a standardized IFTM. The cornerstone of our IFTM is VIC's Integration Testing Repository (ITR). The ITR is a result of capturing over 100 webMethods and bea webLogic implementation similarities, Testing Best Practices, and testing plans. The repository artifacts include Unit Test Cases, Testing Plans, Best Practices, Testing tools, Testing scripts, and much more.

Combined with the ITR, Visual Integrator consultants have experience testing a variety of areas related to your integration implementation. Since our consultants have implemented many diverse integration environments and patterns, they are able to design agile Testing solutions that are guaranteed to stabilize any integration environment.

Visual Integrator Consulting has expertise in a variety of Commercial Testing Products, Java-based Testing tools, and Open Testing Standards. These include, successfully testing integration products utilizing Mercury Load Director, Mercury TestDirector, Apache jMeter, and junit. We are the first firm to expand these commercial testing products into integration Testing solutions. We've documented our experiences in each commercial product into the ITR, so that your integration team can quickly leverage the Best Practices within your environment.

## Testing Considerations

We recognize that no two implementations are the same. Likewise, no two integration Testing environments are the same. Below is a list of some factors that affect a Testing implementation. Each factor has corresponding artifacts in our Integration Testing Repository.

- Testing Plans
- Test Designs & Frameworks
- Test Case Templates & Samples
- Automated Testing & Result Reporting
- Relevant Metric identification
- Quality Assurance Objectives
- Performance, Load, Stress Testing methodologies
- Unit, Integration, Regression Testing methodologies
- Configuration Testing
- Integration Testing Tools
- Results Reporting & Analysis
- Proper Code Preparation & non-invasive manipulation
- Governance Models
- Risk Analysis and Critical bug identification
- Standards Compliance
- Functional, Technical, Business

## How do I get started?

Call Visual Integrator Consulting or visit our web site for more information. We'll give you a fixed-bid for your Integration Testing Solution. so you'll know the cost before work begins. **Let us take the pain, uncertainty, and anxiety out of your Testing process Call us today at 1-866-568-0589.**

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